

Automation and Robotics Research, 6 HE credits

Automations- och robotforskning, 6 hp

Established: 2020-05-28

Established by:

Applies from: V21

Learning outcomes

The student shall demonstrate:

- the ability to independently identify, plan and realize industrial projects by applying methods and approaches valid for the subject field
- the ability to analyze industrial and academic investigative questions within robotics and automation
- understanding of research methodology within technical field also writing and peer review
- the ability to critically review and analyze scientific information relevant for the subject field
- knowledge of writing in a technical style and reference management in engineering
- a developed perspective to ethics, morals and scientific credibility

Entry requirements

Minimum 15 HE from the Master Programme in Robotics, 60 HE including VTM605 Scientific methods in robotics and automation, 3 HE credits and RBK600 Robot certificate, 1.5 HE credits.

The forms of assessment of student performance

Active participation in seminars, individual written report, individual oral presentation and opposition to others work.

Course contents

The course consists of the following contents:

- Literature review own subject
- Evaluate different literature sources and the credibility
- Define scientific aims
- Follow a template with correct citation "paper format"
- Reading thesis work from Diva

Other regulations

Course grading: F/Fx/E/D/C/B/A - Insufficient, Insufficient- more work required before the credit can be awarded, Sufficient, Satisfactory, Good, Very Good, Excellent

Course language: The teaching is conducted in English.

General rules pertaining to examination at University West are available at www.hv.se.

If the student has a decision/recommendation on special support due to disability, the examiner has the right to examine the student in a customized examination form.

Cycle

Second cycle

Progressive specialization

A1F - second cycle, has second-cycle course/s as entry requirements

Main field of study

Automation, Mechanical Engineering, Production Technology